### STIC Biotechnology Systems Branch

## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

1-1100

Application Serial Number:	10/54/,998
Source:	IFWP
Date Processed by STIC:	8/3/06
•	

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

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- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER</u> <u>VERSION 4.4.0 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

- 1. EFS-Bio (<a href="http://www.uspto.gov/ebc/efs/downloads/documents.htm">http://www.uspto.gov/ebc/efs/downloads/documents.htm</a>, EFS Submission User Manual ePAVE)
- 2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
- 3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
  U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06



**IFWP** 

RAW SEQUENCE LISTING DATE: 08/03/2006 PATENT APPLICATION: US/10/541,998 TIME: 09:50:26

Input Set : A:\19020.seq.txt

Output Set: N:\CRF4\08032006\J541998.raw

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3 <110> APPLICANT: Collier, Greg
              Walder, Ken
      5
              Segal, David
              Foletta, Victoria
      8 <120> TITLE OF INVENTION: OBESITY-RELATED GENES
     10 <130> FILE REFERENCE: 19020
                                                           se pr 1-7
     12 <140> CURRENT APPLICATION NUMBER: 10/541,998
     13 <141> CURRENT FILING DATE: 2005-07-13
     15 <160> NUMBER OF SEQ ID NOS: 13
     17 <170> SOFTWARE: PatentIn version 3.1
                                                                Does Not Comply
     19 <210> SEQ ID NO: 1
                                                               Corrected Diskettle Needed
     20 <211> LENGTH: 426
     21 <212> TYPE: DNA
     22 <213> ORGANISM: Psammomys obesus
     24 <220> FEATURE:
     25 <221> NAME/KEY: misc_feature
     26 <222> LOCATION: (336)..((366)) (336)
                                                                  FyI: n can only represent a
     27 <223> OTHER INFORMATION: n = any nucleotide sequence
     30 <400> SEQUENCE: 1
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                                                                                   60
     33 aatataatca cgcaggetee taacetggag aacattgage tgtactggaa cagetacaac
                                                                                  120
     35 aaccgccgag acctgaactt cgagcgaggt ggtgagatga ccctcaagtg ccctgtgatg
                                                                                  180
     37 ctggtggtag gagaccaagc gcctcatgag gatgccgtgg tggagtgtaa ctcaaaactg
                                                                                  240
     39 gaccccacac agacctcgtt cctcaagatg gctgattctg gaggtcagcc acagctgacc
                                                                                  300
                                                                                  360
W--> 41 cagccaggca agetgactga ggettteaag taettnetge aaggeatggg etacatggee
     43 tectectgea tgactegeet ategaggtet egeaeggeat etttgaceag egeageatee
                                                                                  420
                                                                                 more than
one huclestide,

it is an

120 invalid
180 invalid
240 designation
360
420 designation
451 Hyou man

'n' = any nucleotide,
     45 attgat
     48 <210> SEQ ID NO: 2
     49 <211> LENGTH: 451
     50 <212> TYPE: DNA
     51 <213> ORGANISM: Psammomys obesus
     53 <400> SEQUENCE: 2
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     56 atogotoctg cogtggttca cattgaactg tatogoaaac ttootttotc gaagagggag
     58 gtgccagtgg cgagtgggtc cggatttatc gtgtctgagg atggactgat tgtgaccaat
     60 gctcacgtgg tgaccaacaa aaacagggtc aaggttgagc tgaagaatgg agcaacctat
     62 gaagctaaaa tcaaggatgt ggatgaaaag gcagacatcg cacttatcaa aattgaccac
     64 cagggaaagc tgccagtett getgetggge egeteeteag agettegaee aggagagttt
     66 gtggtegeca teggaageee etttteeett caaaacacag teaccactgg gategteagt
     68 accacccage gaggeggeaa agagetgggg c
     71 <210> SEQ ID NO: 3
     72 <211> LENGTH: 478
     73 <212> TYPE: DNA
                                               (please cleek all sowing n's
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file://C:\CRF4\Outhold\VsrJ541998.htm

Input Set : A:\19020.seq.txt

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80 tcagtacttg aacaaattca aaacacattg gtttattaac ttttggctca tgcatggttt
                                                                         120
82 attaggttca aattatacct gattcatcta tatttacttt taaaatgtgt ggtttcctca
                                                                         180
84 ttttaaaagt aaaactaaac agtgcttttg gaatttctaa gctactaatt gttgatagat
                                                                         240
86 acageetgtg tetagtaaaa tagttttgtg ggtgtgggtt etatetttee atgaaaaagt
                                                                         300
88 gggaggtgta agttagtttg gttagtgcct aatagttaaa tttatataaa ataagaatga
                                                                         360
90 gcatttggta tctgtatgaa agggccctaa atcaaaatga ttatccataa tcaatcttta
                                                                         420
92 ttcttqtttt ataaaaacca aaqqqcactc attqqttaaq tqtqctqaqa taqaaaaq
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96 <211> LENGTH: 1884
97 <212> TYPE: DNA
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109 <223> OTHER INFORMATION: n = any nucleotide
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114 <221> NAME/KEY: misc feature
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122 <223> OTHER INFORMATION: n = any nucleotide sequence
125 <220> FEATURE:
126 <221> NAME/KEY: misc feature
127 <222> LOCATION: (1413)..(1413)
128 <223> OTHER INFORMATION: n = any nucleotide
131 <220> FEATURE: .
132 <221> NAME/KEY: misc feature
133 <222> LOCATION: (1512)..(1512)
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139 <222> LOCATION: (1568)..(1568)
140 <223> OTHER INFORMATION: n = any nucleotide \( \) equence
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146 tettegetet gegetegtgg cetectecaa ggeetecagt eteetttaag aaaacteaag
                                                                          120
148 acctgggaag ctacgatgcg agcttgatgc cgctacccta gcaggctatg gacttcctga
                                                                          180
150 gggtcctcgg actgttgaca cccattccqa tccqcatcct tccaaqctga taagcccqqq
                                                                          240
152 accetaggge ggggtgeeca gacteatgtg tgacgeettg cagtgaaace ceatteecag
                                                                          300
154 tgtggttgct tctttgctgg gctttggccc atttgatacc acgaaggatg acgatgctag
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Input Set : A:\19020.seq.txt

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156 ttatgcagca gccaacaca ctccccccaa ctctccgctg tcactggtgg gcccactgt
                                                                               420
     158 ccaggaagca ggtgtccgga actgacatct tggagcagag gggccatgag aggtgtgtgt
                                                                               480
     160 atcctgccag aaagcagctg gaccacgacg ctcccaagat gaacccactg tatacagagg
                                                                               540
     162 catcatggga gttgttatgt caggagcatt ctagacccac gtgtacttga gcgtggaaag
                                                                               600
W--> 164 acagaagana ngcgcagaga ctggggcact tgatctgctc accatgatcg cctgcacggg
                                                                               660
     166 teteatecag tteetgeett aggetaeagt ggeggtgtee aegggettge catteaaegt
                                                                               720
     168 geteteagae ecagateggg eteaceaetg aggagaaeet titeaetitig gigggtatge
                                                                               780
     170 agagggaagg gtctcgactc cagagacctg gagtccaaag tttgtttttt tttatttacc
                                                                               840
     172 agtaatttat ttatttttt tattattagt tatgagtcca aagtttaata ccattcaagc
                                                                               900
     174 tactgctgtc tgtctgctta gagccacagc atgcaatgtg gcaccaaggc atccttgtcc
                                                                               960
     176 tcacagtttc acactgtggg aacaggcatc cttgttctta cagattagcg cgagggaaac
                                                                              1020
     178 cagaaatatt aaacacgcag ggttgtctct ccaaagggag aggcacatac cctgttttcc
                                                                              1080
     180 tecegaagge tgggagegga ggtgtttgat ateetggeta eetetgtgea atetgtagge
                                                                              1140
     182 catgtcctta agatgtagct gtcagtcggt agtggagccg gagccgtcag tcagtagatt
                                                                              1200
     184 ggggttgtgg catgcgcctt taactccatt taattccagc actctagtgg tttggtacag
                                                                              1260
     186 cagcagcagc ageggttgca gtggcccggg gaagtcctga agaccagctt tcatcccagc
                                                                              1320
     188 actcaggcag caaaggcggg tggattctct gagttcgagg ccggcctggt ctacagagtg
                                                                              1380
     190 agtccagncn agccagggct acaacagaga aancetetet attgaaaaat aaataaatta
                                                                              1440
     192 taaaaaaaaa aaggtgtcat gtgtcctgtg tactttacaa agaatgttga tgcttaagct
                                                                              1500
     194 tttttgtgca cncaagaaaa ttgtttaact ggtgtcagac tcctgaagtt tgaaccagca
                                                                              1560
     196 cttagccngg cgtggtggcg cacgcctgta atcccagccc tcgggaggca gaggcaggtg
                                                                              1620
     198 gatctctgag ttagaggcca gcctggtcta cagagtgagt ccaggacagc caggattaca
                                                                              1680
     200 cagagaaacc ccgtctcaaa aatgtaaaat aaattaaaat aaagtttgaa ccaacagtgt
                                                                              1740
     202 ttactgagtc gtgttgaaac agattacctt tttgcttctc tttgatcatt attctactgt
                                                                              1800
     204 ggtgtcagca gagacccctc cagcaggtgg ccaacgtgag agtctcaagc ccgagaaggt
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     206 aagaatttaa aaaaaaaaa aaaa
                                                                              1884
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     210 <211> LENGTH: 1358
     211 <212> TYPE: DNA
     212 <213> ORGANISM: Psammomys obesus
     214 <220> FEATURE:
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     216 <222> LOCATION: (385)..(385)
     217 <223 > OTHER INFORMATION: n = any nucleotide sequence
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     223 <223 > OTHER INFORMATION: n = any nucleotide sequence
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     228 <221> NAME/KEY: misc feature
     229 <222> LOCATION: (430)..(430)
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     234 <221> NAME/KEY: misc feature
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     236 <223> OTHER INFORMATION: n = any nucleotide sequence
    239 <220> FEATURE:
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    241 <222> LOCATION: (754)..(754)
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Input Set : A:\19020.seq.txt

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245 <220> FEATURE:
246 <221> NAME/KEY: misc_feature
247 <222> LOCATION: (856)..(856)
248 <223> OTHER INFORMATION: n = any nucleotide (sequence
251 <220> FEATURE:
252 <221> NAME/KEY: misc feature
253 <222> LOCATION: (928)..(928)/
254 <223> OTHER INFORMATION: n'= any nucleotide \sequence
257 <220> FEATURE:
258 <221> NAME/KEY: misc feature
259 <222> LOCATION: (980)..(980)
260 <223> OTHER INFORMATION: n = any nucleotide (sequence
264 <220> FEATURE:
265 <221> NAME/KEY: misc_feature
266 <222> LOCATION: (1165)..(1165)
267 <223> OTHER INFORMATION: n = any nucleotidé (sequence
270 <220> FEATURE:
271 <221> NAME/KEY: misc_feature
272 <222> LOCATION: (1200)..(1200)
273 <223> OTHER INFORMATION: n' = any nucleotide sequence
276 <220> FEATURE:
277 <221> NAME/KEY: misc_feature
278 <222> LOCATION: (1273)..(1273)
279 <223> OTHER INFORMATION: n = any nucleotide( sequence
282 <220> FEATURE:
283 <221> NAME/KEY: misc feature/
284 <222> LOCATION: (1284)..(1284)
285 <223> OTHER INFORMATION: n = any nucleotide (sequence
288 <220> FEATURE:
289 <221> NAME/KEY: misc_feature
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291 <223> OTHER INFORMATION: n = any nucleotide sequence
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296 <222> LOCATION: (1305)..(1305)
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302 <221> NAME/KEY: misc_feature
303 <222> LOCATION: (1326)..(1326)
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308 <221> NAME/KEY: misc_feature
309 <222> LOCATION: (1330)..(1330)
310 <223> OTHER INFORMATION: n = any nucleotide\sequence
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                                                                            60
316 tttctgttga gatgttggat gaaaacaagt atccactgtt taccaacttg acgaaaaatc
                                                                           120
318 tcaactgagg tttggctgtt aaaaaaaaaa attcactgtg gcctctgtgc ttaattgtcg
                                                                           180
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Input Set : A:\19020.seq.txt

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320 taaaccattg tgactgttac tgctcaaagt atcgtactgt tcattagtaa ctacatcaga
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    322 attgcaccgc tgctgttgga aaagccaata aagaaacccc cagactgctg ctcagcaaat
                                                                              300
    324 gttaataaag tgtgcgcacc gtaggcctgt ccacccagtc accaagcagc gtccctttgt
                                                                              360
W--> 326 ctgcgagtgg ctgtgggtgt gattnaccac ctcagaggtg cacagcacct gcttgngccc
                                                                              420
    328 ttaagtgtgn gtcagaagac aagcagcttc tcqqtaacca acaacctqct tttcqqaqct
                                                                              480
     330 caqtqtttag gctqtttact qaatcanata tqtaactcaq cacacataaq cqaaqaqaqa
                                                                              540
    332 ttttggctgc actggcaaga gtgaaccaaa tttacttcta ttttttaaag gcagatcata
                                                                              600
    660
    336 ttgtttttaa attattacat gtgttctcta tgtctttatc tctggaataa cgatgccatt
                                                                              720
    338 aaccacatgg ccatatgttt tgaaagttgg gtgnaacaga ggaaaagtca tccttcttgg
                                                                              780
    340 ttettgaete cettteetea actacatgat aagtetatea ataaageatt tgaeeteage
                                                                              840
    342 aggggcagaa gcctgnaaag ttagaaaact cattgaccac agtagacaat tgatttctta
                                                                              900
    344 gaaataagaa gtgagaagca gctgctgngc tgagcagggg atgtaaacca agtccagatg
                                                                              960
    346 caccaacgtg aagaggettn tagcaaaaat atgtttgeet etcaccectg cacatgttet
                                                                             1020
    348 agatgcttaa aaacagccac atggccccgc tgcgaggacc tcgtaatgtt gttgttgttg
                                                                             1080
    350 ttgttgttgt taaaggagtt ctcacaagcg tacaagtgca gcactgaaag tggctgaggc
                                                                             1140
    352 ccacagtect cagcacccaa gtetnttecg cagcacgcca agetggtgtt gtecgggtgn
                                                                             1200
    354 gtatgtctgt gctcagtgcc aagctggtgt ttggtcccgt tgtatattat gtgccccaag
                                                                             1260
    356 tgttttgggg canagetgac ccangetgga cacacttett ttngnetteg agtttactgg
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    358 ttgatncagn taaaaataaa ttaattaatt aaagactt
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    362 <211> LENGTH: 390
    363 <212> TYPE: DNA
    364 <213> ORGANISM: Psammomys obesus
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    368 <222> LOCATION: (3)..(3)
    369 <223> OTHER INFORMATION: n = any nucleotide sequence
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    373 <221> NAME/KEY: misc_feature
    374 <222> LOCATION: (9)..(9)
    375 <223> OTHER INFORMATION: n = any nucleotide(sequence
    378 <220> FEATURE:
                                        "c'is at 60 (see P.6)
    379 <221> NAME/KEY: misc_feature /
    380 <222> LOCATION: (60)..(60)
                                     any nucleotide sequence
    381 <223> OTHER INFORMATION: (n =
    384 <220> FEATURE:
    385 <221> NAME/KEY: misc_feature a mat
    386 <222> LOCATION: (71)..(71)
    387 <223> OTHER INFORMATION: (n) = any nucleotide (sequence
    390 <220> FEATURE:
    391 <221> NAME/KEY: misc_feature 392 <222> LOCATION: (91)..(91)
    393 <223 > OTHER INFORMATION: (n) = any nucleotide (sequence
    396 <220> FEATURE:
    397 <221> NAME/KEY: misc_feature 398 <222> LOCATION: (113)..(113)
    399 <223> OTHER INFORMATION: (n) = any nucleotide sequence
    402 <220> FEATURE:
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<220> <221> <222> <223>	misc_feature ( ) A 388 (388)(388) (388) any nucleotide sequence)
	misc_feature (524)(524) n = any nucleotide (sequence)  there are only 390  hulleotides in this  requere
<220> <221> <222> <223>	<pre>misc_feature (527)(527) n = any nucleotide sequence</pre>

c400> 6
gtngaagent aggagttega ggatgegeee gatgtegage egetggaace caegettage 60
aatateateg ageagegeag cettaagtgg atettegteg ggggeaaggg tgagegttggt 120
aagaceacet geagetgeag eetggeggte eagetgteta agggaegtga gagtgtteta 180
ateatteea eagaceeage teacaacate teagatgeat ttgaceagaa gtteteeaag 240
gtgeetacea aggteaaagg etatgacaac etetttgeta tggagataga eeegageetg 300
ggegtggeag ageteeetga tgaagttett egaggaagae aacatgetga geatggeaa 360
gaagatgatg eaggaggeea tgagegeett 390

DATE: 08/03/2006

TIME: 09:50:27

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/541,998

Input Set : A:\19020.seq.txt

Output Set: N:\CRF4\08032006\J541998.raw

### Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 336 Seq#:4; N Pos. 609,611,1388,1390,1413,1512,1568 Seq#:5; N Pos. 385,416,430,507,754,856,928,980,1165,1200,1273,1284,1303 Seq#:5; N Pos. 1305,1326,1330 Seq#:6; N Pos. 3,9 Seq#:7; N Pos. 524,527 Seq#:8; N Pos. 60 Seq#:9; N Pos. 71,91,113,388

#### VERIFICATION SUMMARY

DATE: 08/03/2006

PATENT APPLICATION: US/10/541,998

TIME: 09:50:27

Input Set : A:\19020.seq.txt

Output Set: N:\CRF4\08032006\J541998.raw

L:41 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:300 L:164 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:600 M:341 Repeated in SeqNo=4 L:326 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:360 M:341 Repeated in SeqNo=5 L:422 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0 L:471 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:480 L:501 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0 L:548 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:60

M:341 Repeated in SeqNo=9